Attorney Docket No. P-11714.00 / 31849.86 Customer No. 46334

Amendments To The Claims

Please cancel Claims 22-36 and 38-41 without prejudice. The following list of the claims replaces all prior versions and lists of the claims in this application.

- 1. (Previously presented) A surgical instrument, comprising:
- a housing;
- an electrical power source;
- an output shaft extending from the housing;
- a rotor coupled to the output shaft; wherein at least a portion of the rotor comprises a magnet having a remanence greater than or equal to about 1 T;
- a stator having: a winding selectively connectable to the electrical power source; and a magnetically conductive portion disposed about the rotor and comprising a plurality of laminations; and
- a protective layer disposed between the stator and the rotor; wherein selectively connecting the electrical power source and the stator windings imparts rotary motion to the output shaft via the rotor.

Claim 2 (Canceled).

- 3. (Original) The surgical instrument of claim 1, wherein the protective layer comprises brass.
- 4. (Original) The surgical instrument of claim 1, wherein the remanence of the magnet is greater than or equal to about 1.15T.
- 5. (Original) The surgical instrument of claim 1, wherein the remanence of the magnet is greater than or equal to about 1 T after being autoclaved.

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- 6. (Original) The surgical instrument of claim 1, wherein the magnet is a neodymium-iron-boron magnet.
- 7. (Original) The surgical instrument of claim 1, wherein the winding is a self-supporting winding.
- 8. (Original) The surgical instrument of claim 7, wherein the self-supporting winding is selected from the group consisting of a Faulhaber winding, a rhombic winding, concentric windings, or a self-supporting winding A.
- 9. (Original) The surgical instrument of claim 8, wherein the self-supporting winding is a self-supporting winding A.
- 10. (Previously presented) The surgical instrument of claim 8, wherein the winding comprises a substantially rectangular shaped conductive element.
- 11. (Original) The surgical instrument of claim 8, wherein the winding comprises a conductive element and a thermoplastic element, wherein the thermoplastic element is disposed about the conductive element.
- 12. (Original) The surgical instrument of claim 1, wherein each of the plurality of stator laminations has a thickness of less than about 0.25 mm.
- 13. (Original) The surgical instrument of claim 1, wherein the housing, at least in a portion housing the stator, has an outer diameter of less than about 30 mm.
- 14. (Original) The surgical instrument of claim 13, wherein the housing, at least in a portion housing the stator, has an outer diameter of less than about 25 mm.

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- 15. (Original) The surgical instrument of claim 14, wherein the housing, at least in a portion housing the stator, has an outer diameter of less than about 20 mm.
- 16. (Original) The surgical instrument of claim 15, wherein the housing, at least in a portion housing the stator, has an outer diameter of less than about 16 mm.
- 17. (Original) The surgical instrument of claim 15, wherein the housing, at least in a portion housing the stator, has an outer diameter of between about 15 mm and about 16 mm.
- 18. (Original) The surgical instrument of claim 13, wherein the stator has a length of less than about 100 mm.
- 19. (Original) The surgical instrument of claim 18, wherein the stator has a length of less than about 60 mm.
- 20. (Original) The surgical instrument of claim 19, wherein the stator has a length of less than about 50 mm.
- 21. (Original) The surgical instrument of claim 19, wherein the stator has a length in the range of between about 40 mm and 50 mm.

Claims 22-36 (Canceled).

- (Currently Amended) An electric motor-for-use in a surgical procedure, comprising: a motor output member;
- a driven member coupled to the motor output member; and
- a driving member having a winding and a magnetically conductive portion disposed proximate the driven member such that energizing the driving member imparts motion to the driven member.

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wherein at least a portion of the driven member comprises a magnet having a remanence greater than or equal to about 1 T, and The surgical instrument of Claim 1, wherein the winding is a self-supporting winding and is electrically connected to an the electrical supply power source at only one end of the winding.

Claims 38-41 (Canceled),